

Cc: Albright, David[Albright.David@epa.gov]; Robin, George[Robin.George@epa.gov]
To: Salera, Jerry@DOC[Jerry.Salera@conservation.ca.gov]
From: Dermer, Michele
Sent: Tue 6/3/2014 6:07:18 PM
Subject: RE: AE Question

Hello Jerry,

I do not have easy access to the Primacy application right now due to our move, and so I would suggest you look at the Primacy Application, Appendix B, Table 1 maps of these three fields. From this list it looks like those three fields, which are included in the list of Non hydrocarbon formations, were asterisked at the time the MOA was signed because they were HC producing. You could look into the history of those three fields as well from Volumes 1 and 2 and then the updates in Vols 1,2 and 3. It is possible their status changed. But i am not really sure what your question is about signifying anything - the asterisk says these are producing formation, so that seems like that fact would be the significance.

From: Salera, Jerry@DOC <Jerry.Salera@conservation.ca.gov>
Sent: Tuesday, June 3, 2014 10:55 AM
To: Dermer, Michele
Cc: Albright, David; Robin, George
Subject: RE: AE Question

Sorry, I thought Outlook sent it correctly, apparently not.

Here's what it should have looked like. There are 3 fields (Kern River, Gujarral Hills, Sutter Buttes) where the formation/zone was asterisked. Does this signify anything? My understanding is that these listed formation/zones were exempted based on the Primacy Application for Non-hydrocarbon injection. Perhaps, additional information (e.g., updated production data that time) came to light that the formation/zones were also HC producing and it was just "noted" by the asterisk. But the extent of the exempted area for these zones in the indicated fields was still defined by the lateral limits in the primacy application. Is this interpretation consistent?

Exempted 1425 Demonstration Aquifers

All oil and gas producing aquifers identified in Volumes I, II, and III of the California Oil and Gas Fields submitted in the 1425 Demonstration dated April 20, 1981 are exempted.

In addition, the following aquifers are also exempted.

<u>DISTRICT</u>	<u>FIELD</u>	<u>FORMATION/ZONE</u>
2	Ramona	Pico
2	Oat Mountain	Undiff.
2	Simi	Sespe
3	San Ardo	Santa Margarita
3	San Ardo	Monterey "D" Sand
3	San Ardo	Monterey "E" Sand
3	Monroe Swell	Santa Margarita
4	Buena Vista	Tulare
4	Kern Bluff	Vedder
4	Kern River	Vedder*
4	Mountain View	Kern River
4	Pleito	Chanac
4	Pleito	Kern River
4	Poso Creek	Santa Margarita
5	Coalinga	Santa Margarita
5	Coalinga	Etchegoin-Jacalitos
5	Guijarral Hills	Etchegoin-Jacalitos*
5	Helm	Tulare-Kern River
5	Riverdale	Pliocene
5	Turk Anticline	San Joaquin
6	Sutter Buttes	Kione*
	Gas	

* oil and/or gas producing

What's the interpretation of this?

From: Dermer, Michele [mailto:Dermer.Michele@epa.gov]
Sent: Tuesday, June 3, 2014 10:38 AM
To: Salera, Jerry@DOC
Cc: Albright, David; Robin, George
Subject: RE: AE Question

Hi Jerry,

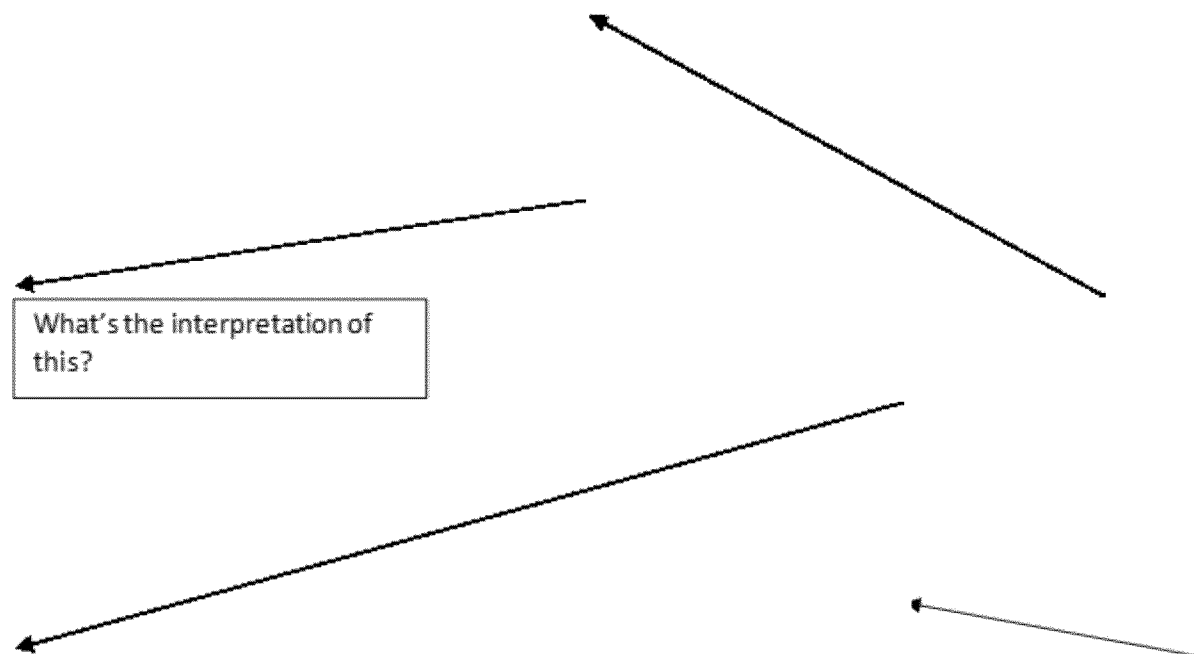
George and I just looked at this email together and we cannot tell what the arrows are

pointing at and there is no attachment, I think we are going to have to discuss this.
Give me a call at your convenience.

From: Salera, Jerry@DOC <Jerry.Salera@conservation.ca.gov>
Sent: Tuesday, June 3, 2014 10:22 AM
To: Dermer, Michele
Cc: Albright, David; Robin, George
Subject: AE Question

Hi Michele,

Our MOA Attachment 2 has 3 fields where the Non-hydrocarbon Formation/Zone has been exempted with an asterisk, indicating that the formation/zone is "oil and/or gas producing". Does this asterisk with the remark signify anything?



Attachment 2

Exempted 1425 Demonstration Aquifers

All oil and gas producing aquifers identified in Volume I, II, and III of the California Oil and Gas Fields submitted in the 1425 Demonstration dated April 20, 198 are exempted.

In addition, the following aquifers are also exempted.

<u>DISTRICT</u>	<u>FIELD</u>	<u>FORMATION/ZONE</u>
2	Ramona	Pico
2	Oat Mountain	Undiff.
2	Simi	Sespe
3	San Ardo	Santa Margarita
3	San Ardo	Monterey "D" Sand
3	San Ardo	Monterey "E" Sand
3	Monroe Swell	Santa Margarita
4	Buena Vista	Tulare
4	Kern Bluff	Vedder
4	Kern River	Vedder*
4	Mountain View	Kern River
4	Pleito	Chanac
4	Pleito	Kern River
4	Poso Creek	Santa Margarita
5	Coalinga	Santa Margarita
5	Coalinga	Etchegoin-Jacalitos
5	Guajarral Hills	Etchegoin-Jacalitos
5	Helm	Tulare-Kern River
5	Riverdale	Pliocene
5	Turk Anticline	San Joaquin
6	Sutter Buttes	Kione*
	Gas	

* oil and/or gas producing

Appreciate any feedback and thanks.

Jerry Salera

Underground Injection Control (UIC) Program

CA Division of Oil, Gas and Geothermal Resources

801 K Street, MS 20-20

Sacramento, CA 95814

Tel: 916-323-1781

Fax: 916-323-0424

Jerry.Salera@conservation.ca.gov